L Number	Hits	Search Text	DB	Time stamp
1	1418	(250/515.1,517.1,526,200).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/18 13:32
2	406608	((X or gamma) adj radiation) or x-ray or gamma	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18
3	115	(((X or gamma) adj radiation) or x-ray or gamma) and (process with (electron\$4 adj system))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:35
4	12	((((X or gamma) adj radiation) or x-ray or gamma) and (process with (electron54 adj system))) and ((enumerat54 or list\$4 or (count adj off)) near4 function)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:38
5	0	(((((X or gamma) adj radiation) or x-ray or gamma) and (process with (electron\$4 adj system)) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and (determin\$6 with (electron\$4 adj (component or circuit))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 13:38
6	1179	(((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18
7	0	<pre>((((X or gamma) adj radiation) or X-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and (determin\$6 with (electron\$4 adj (component or circuit))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:39
8	173	<pre>((((X) or gamma) add radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and ((determin\$6 or calculat\$5) with volume)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:39
9	0	<pre>((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and ((determin\$6 or calculat\$5) with volume with (protect\$4 or shield\$4))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:40
10	636	((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and (protect\$4 or shield\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:41
11	0	<pre>(((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and (protect\$4 or shield\$41) and (dos\$4 with system with (maximum near2 weight))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:42
12	116	(((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or l1st\$4 or (count adj off)) near4 function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:46
13	1	<pre>(((()() or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and (maximum near2 weight)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 13:43

14	38	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerats4 or lists4 or	US-PGPUB;	13:46
		(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and (radiation	DERWENT;	
	1	with system)	IBM TDB	
15	0	(((((X or gamma) ad) radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:47
		(count ad) off)) near4 function)) and	EPO; JPO;	
	ļ.	(protect\$4 or shield\$4)) and (radiation	DERWENT;	Į.
		with system)) and ((maximum near2 weight)	IBM TDB	
		with shield\$4)		
16	0	((((((X or gamma) adi radiation) or x-ray	USPAT:	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:47
		(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and (dos\$4 with	DERWENT:	
		system)) and ((maximum near2 weight) with	IBM TDB	
		shield\$4)	_	(
17	0	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:47
		(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and ((maximum	DERWENT:	l
		near2 weight) with shield\$4)	IBM TDB	
18	0	(((((X or gamma) adj radiation) or x-ray	USPAT:	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:48
		(count adj off)) near4 function)) and	EPO; JPO;	
		((determin\$6 or calculat\$5) with volume))	DERWENT;	
		and ((maximum near2 weight) with	IBM TDB	
		shield\$4)	_	
19	1	((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:48
		(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and (radiation	DERWENT;	
		with system)) and (maximum near2 weight)	IBM TDB	
20	4	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:48
		(count adj off)) near4 function)) and	EPO; JPO;	
		((determin\$6 or calculat\$5) with volume))	DERWENT;	
		and (maximum near2 weight)	IBM_TDB	
21	115	((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and (process with (electron\$4	US-PGPUB;	13:50
- 1		adj system)))	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
22	2	((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:52
i		(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and (dos\$4 with	DERWENT;	
1		system)) and ((shield\$4 and unshield\$4)	IBM_TDB	
J		or (protect\$4 and unprotect\$4))		
23	0	((((((X or gamma) adj radiation) or	USPAT;	2003/11/18
		x-ray or gamma) and ((enumerat\$4 or	US-PGPUB;	13:52
1		list\$4 or (count adj off)) near4	EPO; JPO;	
i		function)) and (protect\$4 or shield\$4))	DERWENT;	
-		and (dos\$4 with system)) and ((shield\$4	IBM_TDB	
J		and unshield\$4) or (protect\$4 and	_	
1		unprotect\$4))) and (list\$4 with	1	
		vulnerable)	I	1

L Number	Hits	Search Text	DB	Time stamp
1	1418	(250/515.1,517.1,526,200).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/18 13:32
2	406608	((X or gamma) adj radiation) or x-ray or gamma	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:34
3	115	(((X or gamma) adj radiation) or x-ray or gamma) and (process with (electron\$4 adj system))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:35
4	12	((((X or gamma) adj radiation) or x-ray or gamma) and (process with (electron34 adj system))) and ((enumerat54 or list54 or (count adj off)) near4 function)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:38
5	0	((((X or gamma) adj radiation) or x-ray or gamma) and (process with (electrons)4 adj system)) and ((enumerati)4 or listi4 or (count adj off)) near4 function)) and (determin\$6 with (electron\$4 adj (component or circuit)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 13:38
6	1179	(((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:38
7	0	<pre>(((IX or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and (determin\$6 with (electron\$4 adj (component or circuit)))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18
8	173	<pre>((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function) and ((determin\$6 or calculat\$5) with volume)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:39
9	0	<pre>((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and ((determin\$6 or calculat\$5) with volume with (protect\$4 or shield\$4))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:40
10	636	((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and (protect\$4 or shield\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18
11	0	(((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and (protect\$4 or shield\$4)) and (dos\$4 with system with (maximum near2 weight))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:42
12	116	((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or 11st\$4 or (count adj off)) near4 function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 13:46
13	1	(((((K or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and (maximum near2 weight)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18

14	38	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and	US-PGPUB; EPO; JPO;	13:46
	1	(protect\$4 or shield\$4)) and (radiation	DERWENT;	
1	1	with system)	IBM TDB	
15	0	((((((X or gamma) adj radiation) or x-ray	USPĀT;	2003/11/18
i		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:47
		(count adj off)) near4 function)) and	EPO; JPO;	
1		(protect\$4 or shield\$4)) and (radiation	DERWENT;	
ĺ .		with system)) and ((maximum near2 weight) with shield\$4)	IBM_TDB	
16	0	((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
10	ľ	or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:47
1		(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and (dos\$4 with	DERWENT;	
		system)) and ((maximum near2 weight) with	IBM_TDB	
l	i .	shield\$4)		2000/22/20
17	0	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18 13:55
		or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and	US-PGPUB; EPO; JPO;	13:55
		(protect\$4 or shield\$4)) and ((maximum	DERWENT;	
		near2 weight) with shield\$4)	IBM TDB	
18		(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
1		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:48
1		(count adj off)) near4 function)) and	EPO; JPO;	
		((determin\$6 or calculat\$5) with volume))	DERWENT;	
1		and ((maximum near2 weight) with shield\$4)	IBM_TDB	1
19	1		USPAT;	2003/11/18
1	_	or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:48
Į l	[(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and (radiation	DERWENT;	
		with system)) and (maximum near2 weight)	IBM_TDB USPAT;	2003/11/18
20	4	(((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:48
1		(count adj off)) near4 function)) and	EPO; JPO;	15.10
		((determin\$6 or calculat\$5) with volume))	DERWENT;	
		and (maximum near2 weight)	IBM TDB	1
21	115	((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
1		or gamma) and (process with (electron\$4	US-PGPUB;	13:50
ļ		adj system)))	EPO; JPO; DERWENT;	
			IBM TDB	
22	2	((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
	-	or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:52
		(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and (dos\$4 with	DERWENT;	
		system)) and ((shield\$4 and unshield\$4)	IBM_TDB	· ·
23	0	or (protect\$4 and unprotect\$4)) ((((((X or gamma) adj radiation) or	USPAT;	2003/11/18
23		x-ray or gamma) and ((enumerat\$4 or	US-PGPUB;	13:54
		list\$4 or (count adj off)) near4	EPO; JPO;	
		function)) and (protect\$4 or shield\$4))	DERWENT;	
		and (dos\$4 with system)) and ((shield\$4	IBM_TDB	
		and unshield\$4) or (protect\$4 and		
1		unprotect\$4))) and (list\$4 with vulnerable)		
24	7016	Vulnerable) (((X or gamma) adj radiation) or x-ray or	USPAT;	2003/11/18
6.7	7010	gamma) and (electronic near (system or	US-PGPUB;	13:54
		circuit))	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
25	1343	((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and (electronic near (system or circuit))) and shield\$4	US-PGPUB; EPO; JPO;	13:55
		clicale,,, and smelay	DERWENT;	
1			IBM TDB	
26	6	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and (electronic near (system or	US-PGPUB;	13:58
		circuit))) and shield\$4) and (maximum	EPO; JPO;	
		near2 weight)	DERWENT; IBM TDB	
L			TOU TOU	L

27	0	((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and (electronic near (system or	US-PGPUB;	13:57
		circuit))) and shield\$4) and (maximum	EPO; JPO;	
]		near2 weight)) and vulnerable	DERWENT;	
1			IBM TDB	
28	6	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and (electronic near (system or	US-PGPUB;	13:59
1		circuit))) and shield\$4) and (max\$4 near2	EPO; JPO;	
		weight)	DERWENT;	
)	1		IBM TDB	
29	0	((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
	1	or gamma) and (electronic near (system or	US-PGPUB;	14:00
		circuit))) and shield\$4) and (max\$4 near2	EPO; JPO;	
	1	weight)) and ((absorp\$5 or adsorp\$4 or	DERWENT;	
		absorb\$4) with radiation)	IBM TDB	

: Tumber	Hits	Search Text	DB	Time stamp
unber	1418	(250/515.1,517.1,526,200).CCLS.	USPAT;	2003/11/18
			US-PGPUB;	13:32
	1		EPO; JPO; DERWENT;	
			IBM TDB	
2	406608	((X or gamma) adj radiation) or x-ray or	USPAT;	2003/11/18
	1	gamma	US-PGPUB;	14:03
	1		EPO; JPO;	
			DERWENT; IBM TDB	
3	115	(((X or gamma) adj radiation) or x-ray or	USPAT;	2003/11/18
		gamma) and (process with (electron\$4 adj	US-PGPUB;	13:35
		system))	EPO; JPO;	
			DERWENT; IBM TDB	
4	12	((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and (process with (electron\$4	US-PGPUB;	13:38
		adj system))) and ((enumerat\$4 or list\$4	EPO; JPO;	
		or (count adj off)) near4 function)	DERWENT;	1
5	0	(((((X or gamma) adj radiation) or x-ray	IBM_TDB USPAT;	2003/11/18
-	"	or gamma) and (process with (electron\$4	US-PGPUB;	13:38
	1	adj system))) and ((enumerat\$4 or list\$4	EPO; JPO;	1
		or (count adj off)) near4 function)) and	DERWENT;	
		(determin\$6 with (electron\$4 adj	IBM_TDB	
6	1179	((component or circuit))) (((X or gamma) adj radiation) or x-ray or	USPAT;	2003/11/18
	11//	gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:38
		(count adj off)) near4 function)	EPO; JPO;	
			DERWENT;	
7	0	((//)	IBM_TDB USPAT;	2003/11/18
′		((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:39
	1	(count adj off)) near4 function)) and	EPO; JPO;	13.33
		(determin\$6 with (electron\$4 adj	DERWENT;	
_		(component or circuit)))	IBM_TDB	1
8	173	((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or	USPAT; US-PGPUB;	2003/11/18
		(count adj off)) near4 function)) and	EPO; JPO;	13.39
		((determin\$6 or calculat\$5) with volume)	DERWENT;	1
	1		IBM_TDB	
9	0	((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and	US-PGPUB; EPO; JPO;	13:40
	1	((determin\$6 or calculat\$5) with volume	DERWENT;	
	(with (protect\$4 or shield\$4))	IBM TDB	
10	636	((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
	1	or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:41
		(count adj off)) near4 function)) and (protect\$4 or shield\$4)	EPO; JPO; DERWENT;	
		(proceeds of purerays)	IBM TDB	
11	0	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:42
	1 1	(count adj off)) near4 function)) and	EPO; JPO; DERWENT;	
		(protect\$4 or shield\$4)) and (dos\$4 with system with (maximum near2 weight))	IBM TDB	
12	116	(((((X or gamma) ad) radiation) or x-ray	USPAT;	2003/11/18
	1 1	or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:46
	1	(count adj off)) near4 function)) and	EPO; JPO;	1
	(!	(protect\$4 or shield\$4)) and (dos\$4 with	DERWENT;	l
.3	1	system) ((((((X or gamma) adj radiation) or x-ray	IBM_TDB USPAT;	2003/11/18
	1 1	or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:43
	į į	(count adj off)) near4 function)) and	EPO; JPO;	1
	1	(protect\$4 or shield\$4)) and (dos\$4 with	DERWENT;	
	1	system)) and (maximum near2 weight)	IBM TDB	

14	38	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:46
	1	(count adj off)) near4 function)) and	EPO; JPO;	
	l.	(protect\$4 or shield\$4)) and (radiation	DERWENT;	
15	0	with system)	IBM_TDB	2002/21/19
15		((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
	1	or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:47
		(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and (radiation	DERWENT;	
		with system)) and ((maximum near2 weight) with shield\$4)	IBM_TDB	
16	0	((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
10		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:47
		(count adj off)) near4 function)) and	EPO; JPO;	13.47
		(protect\$4 or shield\$4)) and (dos\$4 with	DERWENT;	
		system)) and ((maximum near2 weight) with	IBM TDB	
	i	shield\$4)		i .
17	0	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:55
	i	(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and ((maximum	DERWENT;	
		near2 weight) with shield\$4)	IBM TDB	
18	0		USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:48
	1	(count adj off)) near4 function)) and	EPO; JPO;	
		((determin\$6 or calculat\$5) with volume))	DERWENT;	
	1	and ((maximum near2 weight) with	IBM TDB	
	1	shield\$4)	-	
19	1	((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
	1	or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:48
		(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and (radiation	DERWENT;	1
		with system)) and (maximum near2 weight)	IBM_TDB	
20	4	(((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:48
	1	(count adj off)) near4 function)) and	EPO; JPO;	
		((determin\$6 or calculat\$5) with volume))	DERWENT;	Į.
	1	and (maximum near2 weight)	IBM_TDB	
21	115	((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
	ļ.	or gamma) and (process with (electron\$4	US-PGPUB;	13:50
	ì	adj system)))	EPO; JPO;	
			DERWENT;	
	1 -	l	IBM_TDB	0000/01/00
22	2	((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma) and ((enumerat\$4 or list\$4 or	US-PGPUB;	13:52
	1	(count adj off)) near4 function)) and	EPO; JPO;	
		(protect\$4 or shield\$4)) and (dos\$4 with	DERWENT;	
	l			
		system)) and ((shield\$4 and unshield\$4)	IBM_TDB	
22	_	system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4))	IBM_TDB	2002/11/19
23	0	system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4)) ((((((X or gamma) adj radiation) or	IBM_TDB USPAT;	2003/11/18
23	۰	<pre>system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4)) (((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or</pre>	IBM_TDB USPAT; US-PGPUB;	2003/11/18 13:54
23	0	system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4)) (((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4	USPAT; US-PGPUB; EPO; JPO;	
23	0	system)) and ((shield\$4 and unshield\$4)) or (protect\$4 and unprotect\$4\) (((((((X or gamma) add radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count add off)) near\$4 function) and (protect\$4 or shield\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	
23	0	system)) and ((shield\$4 and unshield\$4) or (protect\$4) and unprotect\$4) ((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near\$4 function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and (shield\$4	USPAT; US-PGPUB; EPO; JPO;	
23	0	system) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((X or gamma) adj radiation) or x-ray or gamma) and (renumerat\$4 or list\$4 or (count adj off)) near\$4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 or shield\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	
23	0	system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 function)) and (protect\$7 or shield\$4) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4))) and (list\$4 with	USPAT; US-PGPUB; EPO; JPO; DERWENT;	
		system) and ((shield\$4 and unshield\$4) or (protect\$4) and unprotect\$4) ((((((Xor gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near\$4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4))) and (list\$4 with wulnerable)	IBM_TDB USPAT; US-PGPUB; BPO; JPO; DERWENT; IBM_TDB	13:54
	7016	system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((X or gamma) adj radiation) or x-ray or gamma) and (renumerat\$4 or list\$4 or (count adj off)) near\$4 function)) and (protect\$4 or shield\$4) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4))) and (list\$4 with vulnerable) (((X or gamma) adj radiation) or x-ray or	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18
		system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 with unprotect\$4))) and (list\$4 with unlerable) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or	IBM_TDB USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	13:54
		system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((X or gamma) adj radiation) or x-ray or gamma) and (renumerat\$4 or list\$4 or (count adj off)) near\$4 function)) and (protect\$4 or shield\$4) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4))) and (list\$4 with vulnerable) (((X or gamma) adj radiation) or x-ray or	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/11/18
		system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 with unprotect\$4))) and (list\$4 with unlerable) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/18
24	7016	system)) and ((shield\$4 and unshield\$4) or (protect\$4) and unprotect\$4) (((((((Xor gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 with unprotect\$4))) and (list\$4 with (((Xor gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit))	IBM_TDB USPAT; US-PGPUB, EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 13:54
24		system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((X) or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 with vulnerable) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit)) ((((X or gamma) adj radiation) or x-ray	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2003/11/18 13:54 2003/11/18
24	7016	system)) and ((shield\$4 and unshield\$4) or (protect\$4) and unprotect\$4) ((((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4) and (dos\$4 with system)) and ((shield\$4 and unshrotect\$4))) and (list\$4 with vulnerable) (((((X or gamma) adj radiation) or x-ray or gamma) adj andiation) or x-ray or Gircuit)) (((((X or gamma) adj radiation) or x-ray or gamma) and nelectronic near (system or corganical)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; US-PGPUB; US-PGPUB;	2003/11/18 13:54
24	7016	system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((X) or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 with vulnerable) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit)) ((((X or gamma) adj radiation) or x-ray	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; IBM_TDB USPAT; US-PGPUB; EPO; JPO; IBM_TDB USPAT; US-PGFUB; EPO; JPO; EPO; JPO; FO; JPO; JPO; FO; JPO; JPO; JPO; FO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; JP	2003/11/18 13:54 2003/11/18
24	7016	system)) and ((shield\$4 and unshield\$4) or (protect\$4) and unprotect\$4) ((((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4) and (dos\$4 with system)) and ((shield\$4 and unshrotect\$4))) and (list\$4 with vulnerable) (((((X or gamma) adj radiation) or x-ray or gamma) adj andiation) or x-ray or Gircuit)) (((((X or gamma) adj radiation) or x-ray or gamma) and nelectronic near (system or corganical)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/18 13:54 2003/11/18
24	7016	system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) (((((((Xor gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4))) and (list\$4 with vulnerable) ((((Xor gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit)) (((((Xor gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit))) and shield\$4	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2003/11/18 13:54 2003/11/18 2003/11/18 13:55
24	7016 1343	system) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 with vulnerable) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit)) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit)) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit))) and shield\$4 ((((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit))) and shield\$4	IBM_TDB USPAT; US-PCPUB, EPO; JPO; DERWENT; IBM_TDB USPAT; US-PCPUB; EPO; JPO; EPO; JPO; EPO; JPO; ERWENT; IBM_TDB	2003/11/18 13:54 2003/11/18 13:55 2003/11/18
24	7016 1343	system) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4))) and (list\$4 with vulnerable) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit)) ((((((X or gamma) adj radiation) or x-ray or gamma) and nelectronic near (system or circuit))) and shield\$4 ((((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit))) and shield\$4	IBM_TDB USPAT; US-PGPUB, EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB, EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB;	2003/11/18 13:54 2003/11/18 2003/11/18 13:55
2 4 25	7016 1343	system) and ((shield\$4 and unshield\$4) or (protect\$4 and unprotect\$4) ((((((((X or gamma) adj radiation) or x-ray or gamma) and ((enumerat\$4 or list\$4 or (count adj off)) near4 (function)) and (protect\$4 or shield\$4)) and (dos\$4 with system)) and ((shield\$4 and unshield\$4) or (protect\$4 with vulnerable) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit)) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit)) ((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit))) and shield\$4 ((((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit))) and shield\$4	IBM_TDB USPAT; US-PCPUB, EPO; JPO; DERWENT; IBM_TDB USPAT; US-PCPUB; EPO; JPO; EPO; JPO; EPO; JPO; ERWENT; IBM_TDB	2003/11/18 13:54 2003/11/18 13:55 2003/11/18

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27	°	<pre>(((((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit))) and shield\$4) and (maximum near2 weight)) and vulnerable</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/18 13:57
28	6	(((((X or gamma) adj radiation) or x-ray or gamma) and (electronic near (system or circuit))) and shield\$4) and (max\$4 near2	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/11/18 14:08
29	0	weight) (((((((X or gamma) adj radiation) or x-ray	DERWENT; IBM_TDB USPAT;	2003/11/18
		or gamma) and (electronic near (system or circuit)) and shield\$4) and (max\$4 near2 weight)) and ((absorp\$5 or adsorp\$4 or absorb\$4) with radiation)	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	14:14
30	5830	(((X or gamma) adj radiation) or x-ray or gamma or xray) with shield\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 14:04
31	775	((((X or gamma) adj radiation) or x-ray or gamma or xray) with shield\$4) and ((electronic or electrical) near4 (component or circuit\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 14:05
32	96	<pre>((((X or gamma) adj radiation) or x-ray or gamma or xray) with shields() and ((electronic or electrical) near4 (component or circuits())) and ((determins() or calculat() with (volume or space))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 14:07
33	0	[((([(X or gamma) adj radiation) or x-ray or gamma or xray) with shield\$4) and ((electronic or electrical) near4 (component or circuits\$4)) and ((determin94 or calculat\$5) with (volume or space)) and (max\$4 near\$2 weight)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 14:17
34	95	[((([X or gamma] adj radiation) or x-ray or gamma or xray) with shields4 and ((electronic or electrical) near4 (component or circuits4))) and ((determins4 or calculats5) with (volume or space)) and circuits3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 14:09
35	1	(((((X or gamma) adj radiation) or x-ray or gamma or xray) with shield34) and ((electronic or electrical) near4 (component or circuit34))) and ((determin4 or calculat85) with (volume or space))) and (distance with between with (circuit33 or component))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 14:14
36	0	<pre>[((((((X or gamma) adj radiation) or x-ray or gamma or xray) with shield\$4) and ((electronic or electrical) near4 (component or circuit\$41)) and ((determin\$4 or calculat\$5) with (volume or space)) and (distance with between with (circuit\$3 or component)) and ((absorp\$5 or adsorp\$4 or absorb\$4) near2</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 14:15
37	0	radiation) (((((((((X or gamma) adj radiation) or x-ray or gamma or xray) with shield\$4) and ((electronic or electrical) near4 (component or circuit\$4))) and ((determin\$4 or calculat\$5) with (volume or space))) and (distance with between with (circuit\$3 or component)) and ((absorp\$5 or adsorp\$4 or absorb\$4) near2 radiation)) and (process or method)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/18 14:15

38	92	((((((X or gamma) adj radiation) or	USPAT;	2003/11/18
1		x-ray or gamma or xray) with shield\$4)	US-PGPUB;	14:15
ł.		and ((electronic or electrical) near4	EPO; JPO;	
1	1	(component or circuit\$4))) and	DERWENT;	
	Į.	((determin\$4 or calculat\$5) with (volume	IBM_TDB	1
1		or space))) and circuit\$3) and (process		
		or method)		1
40	0	((((((X or gamma) adj radiation) or x-ray	USPAT;	2003/11/18
		or gamma or xray) with shield\$4) and	US-PGPUB;	14:18
	Ì	((electronic or electrical) near4	EPO; JPO;	
	i i	(component or circuit\$4))) and	DERWENT;	1
	Ì	((determin\$4 or calculat\$5) with (volume	IBM TDB	
	i .	or space))) and ((determin\$5 near3	_	
i e	1	weight) with shield\$4)		